

**REMARKS/ARGUMENTS**

Claims 1-12, 14-17, 18-23, 25-36 are currently pending in this application. Claims 1, 12, 23, 26, and 35 have been amended. The erroneous interchange of “analog” and “digital” has been corrected so that the claims are consistent with the specification and the drawings.

**Claim Rejections - 35 USC § 103(a)**

Claims 23, 26, 27, 31, 32 and 34 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,308,062 to Chien et al. (hereinafter Chien), in view of U.S. Patent No. 6,636,724 to Pillekamp et al. (hereinafter Pillekamp). Claims 1, 6, 7, 9, 10, 12, 18, 19, 20, 21, 25 and 35 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Chien and Pillekamp, further in view of U.S. Patent No. 6,373,902 to Park et al. (hereinafter Park). Claims 28 and 29 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Chien and Pillekamp, further in view of U.S. Patent No. 5,768,695 to Fischer et al. (hereinafter Fischer). Claims 28 and 29 are rejected under 35 U.S.C. §103 (a) as being unpatentable over Chien and Pillkeamp, further in view of Fischer. Claim 30 is rejected under 35 U.S.C. § 103(a) as being unpatentable Chien, Pillekamp and Fischer, further in view of U.S. Patent No. 6,532,533 to Bhandal (hereinafter Bhandal). Claims 3, 4, 14, and 15 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Chien,

Pillekamp, Park, further in view of Fischer. Claims 5 and 16 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Chien, Pillekamp, Park, and Fischer, further in view of Bhandal.

Claims 1, 3-12, 14-23, and 25-36 are similar to claims in a related European Patent Application which issued as European Patent No. EP 1 547 261 B1, a copy of which is attached to this reply for the Examiner's convenience.

The cited references do not teach or suggest a radio interface processor with a plurality of lookup tables indexed by data received at a digital radio module that are programmed to compensate for nonlinearities in at least one analog radio module, therefore claims 1, 3-12, 14-23, and 25-36 are patentable over the cited references. Withdrawal of the 35 U.S.C. §103(a) rejection of claims 1, 3-12, 14-23, and 25-36 is respectfully requested.

### **Conclusion**

If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephonic interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

**Applicant:** Stufflet et al.  
**Application No.:** 10/668,582

In view of the foregoing remarks, Applicants respectfully submit that the present application is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

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Enclosures - Copy of European Patent No. EP 1 547 261 B1  
Request for Continued Examination